|   | Index of Claims ' |          |  |              |              |           |        |  |              |           |            |                             | 1                    | Application No. |                                   |             |           |              |         |              |          |            | Applicant(s) |                 |         |           |           |               |         |     |   |  |
|---|-------------------|----------|--|--------------|--------------|-----------|--------|--|--------------|-----------|------------|-----------------------------|----------------------|-----------------|-----------------------------------|-------------|-----------|--------------|---------|--------------|----------|------------|--------------|-----------------|---------|-----------|-----------|---------------|---------|-----|---|--|
|   |                   |          |  |              |              |           |        |  |              |           |            |                             |                      | 1               | 10/664,383                        |             |           |              |         |              |          |            |              | GIVIDEN ET AL.  |         |           |           |               |         |     |   |  |
|   |                   |          |  |              |              |           |        |  |              |           |            |                             |                      |                 | Examiner                          |             |           |              |         |              |          |            | Αrl          | Un              | ilt     |           |           | Π             | -       |     |   |  |
|   |                   |          |  |              |              |           |        |  |              |           |            |                             |                      |                 | Reginald L. Alexander             |             |           |              |         |              |          |            |              | 4704            |         |           |           |               |         |     |   |  |
|   |                   | *******  |  |              |              |           | 81881  |  |              |           |            |                             |                      | 1               | kegi                              | na          | IO        | L. Alexander |         |              |          |            |              | 1761            |         |           |           |               | Ц_      |     |   |  |
|   |                   |          |  |              |              |           |        |  |              |           |            |                             |                      |                 |                                   |             |           |              |         |              |          |            |              |                 |         |           | -         | 7             |         |     |   |  |
|   | √ Rejected        |          |  |              |              |           |        |  |              |           |            | Through numera<br>Cancelled |                      |                 |                                   | Non-Elected |           |              | d       |              | A        | Appeal     |              |                 |         |           |           |               |         |     |   |  |
|   | H                 |          |  |              |              |           | -      | <del>                                     </del> |              |           | Cantonica  |                             |                      |                 | ᅱ                                 | <del></del> |           |              |         |              |          | H          |              |                 |         | -{        |           | •             |         |     |   |  |
|   |                   |          | =  | A            | Allowed      |           |        |  | +            |           | Restricted |                             |                      |                 |                                   | -           | 1         | Interferen   |         | renc         | ce       |            | 0            | Objected        |         |           |           |               |         |     |   |  |
|   |                   |          | Ш  | <u></u>      |              |           |        |  | Ш            |           |            |                             |                      |                 | \                                 |             |           |              |         |              |          | Ш          | <u> </u>     |                 |         | •         |           |               |         |     |   |  |
| 1 | Cla               | im       |  | _            |              | Da        | ate    |  |              | Claim     |            | -                           |                      |                 | Date                              |             |           |              | Clai    | n            |          | Date       |              |                 |         |           | )         |               |         |     |   |  |
|   | 1                 | al       | Ž  | 7            | 4            |           |        |  |              |           |            | <u>a</u>                    |                      |                 | П                                 |             | T         |              |         |              | _        | <u> </u>   |              |                 |         | Γ         |           |               |         |     |   |  |
|   | Final             | Original | 3  | 2            | 强            |           | ı      |  |              |           | Final      | Original                    |                      |                 | Н                                 |             | 1         |              |         | . I.         | Final    | Original   |              | 1               | 1       |           | П         |               |         |     |   |  |
|   | -                 | ō        | 8  | 8            | ٣            |           | 1      |  |              |           | -          | Õ                           |                      | 1               |                                   |             |           |              |         |              |          |            |              |                 |         | 1         | П         |               |         |     |   |  |
|   |                   | 1        | 2  |              | V            | Ţ         | 1      | T  |              |           |            | 51                          | 1                    | Ţ               | П                                 | 4           | $\exists$ | 1            | $\Box$  |              |          | 01         |              | $\Box$          | I       | L         |           | $\Box$        | 1       | ]   |   |  |
|   | _                 | 3        | Н  | ///          | H            | +         | ╬      | ╀  | Н            | Н         | <u>-</u>   | 52<br>53                    | ┿                    | ╁               | ╁┼                                | ┽           | $\dashv$  | +            | ╁┤      | -            |          | 02<br>103  | $\vdash$     | +               | ╀       | ╀         | Н         | Н             | +       | ł   |   |  |
|   |                   | 4        | Н  | 7            | H            | $^{+}$    | +      | 十  | Н            | $\exists$ |            | 54                          | $\dashv$             | $^{\dagger}$    |                                   | _           | +         | +            | П       |              |          | 04         | Н            | $\pm$           | $\perp$ | T         | $\vdash$  | $\vdash$      | +       | 1   |   |  |
|   |                   | 5        | П  | ソ            | V            | $\top$    |        | I  |              |           |            | 55                          | $\Box$               | I               | П                                 | $\Box$      | $\Box$    | 1            | П       |              |          | 105        | П            | $\Box$          | I       | Γ         | $\Box$    |               | $\perp$ | 1   |   |  |
|   |                   | 6        | Н  | ///          | H            | +         |        | ╁  | +            | Н         | -          | 56<br>57                    | +                    | ╬               | ++                                | $\dashv$    | $\dashv$  | +            | +       |              |          | 06<br>107  | Н            | +               | ╁       | ╀         | ₽         | ${\mathbb H}$ | +-      | -   |   |  |
|   |                   | 8        | Н  | 7            | K            | $\dagger$ | ╅      | 十  | H            | Н         | -          | 58                          | +                    | +               | +                                 | +           | ┪         | +            | H       | ╽┝           |          | 108        | Н            | 十               | +       | +         |           | H             | +-      |     |   |  |
|   |                   | 9        | П  | /            | N            | 1         | $\bot$ | I  |              |           |            | 59                          |                      |                 | П                                 | $\Box$      | $\Box$    |              | $\Box$  | ΙF           |          | 109        |              |                 | I       | Į         |           |               | $\bot$  | ]   |   |  |
|   | -                 | 10       | -  | 7            | X            | +         | ╁      | +  | ╀            | H         | $\vdash$   | 60                          | +                    | +               | +                                 | $\dashv$    | $\dashv$  |              | Н       | ├            |          | 110<br>111 | $\vdash$     | +               | +       | ╀         | -         | ╢             | ╬       | ł   |   |  |
|   | _                 | 12       | ╫  | $\mathbb{Z}$ | H            | 十         | +      | ╈  | 十一           | H         | -          | 62                          | $\neg +$             | ╈               | ${}^{\dagger}$                    | ┪           | ┪         | ╅            | $\top$  | -            |          | 112        | Н            | $\top$          | +       | +         | T         | H             | ╅       | 1   |   |  |
|   |                   | 13       |  | マ            | 团            | 丁         |        | 工  |              |           |            | 63                          |                      | T               | $\Box$                            | $\Box$      | $\Box$    |              |         | l [          |          | 113        |              | $\Box$          | I       | T         |           | П             | $\Box$  | 1   |   |  |
|   |                   | 14       | ${f H}$                                      | $ \swarrow$  | $\mathbb{N}$ | 4         | +      | +  | <del> </del> | Н         | -          | 64<br>65                    | -                    | +               | ╀                                 | -           | $\dashv$  | +            | ╆       | <b> </b>     |          | 114<br>115 | ╀╌┤          |                 | +       | ┿         | ┼         | H             |         | ┨   |   |  |
|   |                   | 15<br>16 | H  | K            | H            | +         | ╅      | ╁  | +            | H         | <b>—</b>   | 66                          | $\vdash$             | +               | ╁╁                                | ┪           | +         | +            | +       | <b> </b>     |          | 116        |              |                 | +       | ╁         | ╁         | H             | +       | 1   |   |  |
|   |                   | 17       | <u>                                     </u> | Ż            | 7            | 1         | 土      |  |              |           |            | 67                          |                      |                 | 口                                 | コ           | $\Box$    |              |         | וו           | $\Box$   | 117        |              |                 |         | I         |           |               |         | 1   |   |  |
|   |                   | 18       | ~  |              | $\lambda$    | 4         | $\bot$ | $\bot$   | 1            | Н         | 1          | 68<br>69                    | $\vdash$             | 4               | +                                 | 4           |           | +            | +-      | -            |          | 118<br>119 |              | $\dashv$        | +       | ╀         | ╀         | Н             | +       | ┨   |   |  |
|   | ┢                 | 19<br>20 | ┝  | ⊢            | Н            | +         | +      | ╁  | +            | Н         | -          | 70                          | $\vdash$             | ╁               | ╂┤                                | $\dashv$    |           | +            | +       | 1            |          | 120        |              | $\vdash$        | +       | ╁         | ╁┈        | H             | ╅       | ┪   |   |  |
|   |                   | 21       |  |              |              |           | 工      | 土  |              | 口.        |            | 71                          |                      | 工               |                                   |             |           | $\Box$       |         | 1 [          |          | 121        |              |                 | $\Box$  | I         | I         |               |         | 1   |   |  |
|   | <u>:</u>          | 22       | L  | <u> </u>     | $\sqcup$     | 4         | +      | +  | ╄            | Н.        | `├─        | 72<br>73                    | $\vdash$             | +               | ++                                | -           | $\dashv$  | +            | ╀       | ł ŀ          | $\dashv$ | 122<br>123 | ╀            | H               | +       | +-        | ╂         | ╌┤            |         | -   |   |  |
|   | ├─                | 23<br>24 | ┝  | $\vdash$     | ₩            | +         | +      | +  | ╁╴           | Н         | -          | 74                          | $\vdash$             | -               | ╁┤                                | ┪           | $\forall$ | ╅            | ╁╴      | ┧┟           |          | 124        |              | $\vdash$        | +       | +         | ╁         | $\vdash$      | ┿       | 1   |   |  |
|   |                   | 25       | 匚  |              |              | 士         | 士      |  |              |           |            | 75                          |                      | 工               |                                   |             |           |              |         | ן ו          |          | 125        | Π            |                 |         |           |           |               |         | 1   |   |  |
|   | ļ                 | 26       | L  |              | $\square$    | 4         | 4      | $\bot$   | +            | Н         | <b> </b>   | 76                          | $\sqcup$             | +               | +                                 | 4           | $\dashv$  | -            | ╀       | <del> </del> |          | 126<br>127 |              | $\vdash \vdash$ | +       | +         | ╄         | $\sqcup$      | -       | -   |   |  |
|   | ├                 | 27<br>28 | ⊢  | ┝            | ╁            | +         | +      | +  | ╁            | Н         | -          | 77                          | H                    | ╅               | Н                                 | $\dashv$    | H         | +            | ╁       | 1 1          | $\dashv$ | 128        | ╁╴           | H               | ╁       | +         | +         | ╁┼            | 十       | ┨   |   |  |
|   |                   | 29       |  |              |              | コ         | 士      | 1  | 1            |           |            | 79                          |                      | 土               |                                   |             |           | 1            | I       | 1 [          | $\Box$   | 129        | 匚            |                 |         | 上         | 上         |               |         | 1   |   |  |
|   | _                 | 30       | L  | _            | Ш            | 4         | 4      | 4  | $\bot$       | Н         | ·          | 80                          | Н                    | +               | +                                 | _           | Н         | -            | ┿       | ₹. ŀ         |          | 130<br>131 |              | $\vdash \vdash$ | 4       | +-        | 4         | $\sqcup$      | +       | ┨   |   |  |
|   | ⊢                 | 31       | ├  | -            | ╂╌┼          | ┽         | +      | +  | ╁╾           | Н         |            | 81<br>82                    | ╁                    | ╅               | ╂╢                                | -           | Н         | +            | +       | 1 H          |          | 131<br>132 |              | Н               | +       | +-        | ╁╴        | ┼┼            | ╅       | 1   |   |  |
|   |                   | 33       |  |              | $\Box$       |           |        |  | 工            |           |            | 83                          |                      | 1               | П                                 |             |           |              |         | ] [          |          | 133        |              |                 |         | Τ         |           |               | 工       | 1 . |   |  |
|   |                   | 34       | L  | L            | $\Box$       | $\dashv$  | 4      | 4  | +-           | Н         | <u> </u>   | 84                          | ${oldsymbol{arphi}}$ | +               | ${\color{red} +} {\color{red} +}$ |             | Н         | +            | +-      | ┨┝           |          | 134<br>135 |              | $\vdash$        | +       | +-        | ╄         | $\vdash$      |         | 4   |   |  |
|   |                   | 35<br>36 | ┝  | ┝            | ╁┤           | +         | ╅      | +  | ╁            | Н         | $\vdash$   | 86                          | $\vdash$             | +               | +                                 | $\dashv$    | H         | ┿            | 十       | ┨┠           |          | 135        |              | ╁               | +       | +         | ╁         | Н             | +       | ┨   |   |  |
|   |                   | 37       |  |              | $\Box$       | コ         | 工      |  |              |           |            | 87                          |                      | $\perp$         |                                   |             |           |              |         | 1 [          |          | 137        |              | $\Box$          | 1       |           |           | $\square$     |         | 1   |   |  |
|   |                   | 38       | ┞-   | <u> </u> _   | $\vdash$     | 4         | 4      | +  | ┼            | Н         | -          | 88                          | H                    | 4               | +                                 | _           | Н         |              | ╄       | ┨ }          |          | 138<br>139 |              | Н               | +       | +-        | ╀         | $\vdash$      | +       | ┨   |   |  |
|   | -                 | 39<br>40 | ┝  | ┝            | ╂┤           | ╅         | +      | ╁  | +-           | H         | -          | 90                          | $\vdash \vdash$      | ╁               | +                                 | $\dashv$    | H         | ╁            | ╁       | 1            |          | 140        |              | H               | 十       | ┿         | 十         | H             | ┰       | 1   |   |  |
|   |                   | 41       |  |              | $\Box$       | 1         | 土      | 1  | 上            |           |            | 91                          |                      | 1               |                                   |             |           | $\Box$       |         | 1 [          |          | 141        | L            |                 | 1       | I         |           | $\Box$        | $\Box$  | ]   |   |  |
|   |                   | 42       | F  |              | $\Box$       | 4         | 4      | $\bot$   | +            | Н         | <u> </u>   | 92                          | -                    | -               | +                                 | Н           | Н         | $\dashv$     | +       | ∤ ŀ          | _        | 142<br>143 | _            | ╀               | +       | +         | +-        | ╀┤            | +       | 4   |   |  |
| • | <del> </del>      | 43       | ╁  | ╁╴           | ╫            | +         | 十      | +  | +            | H         | -          | 94                          | +                    | +               | $\forall$                         | Н           | H         | 十            | +       | 1            |          | 144        |              | +               | +       | $\dagger$ | $\dagger$ | $oxed{\Box}$  | _       | 1   |   |  |
|   |                   | 45       |  |              | $\Box$       | 二         | 1      | 1  | Ţ            |           |            | 95                          | 口                    | #               | П                                 |             | П         | 丰            | $\perp$ | ] [          |          | 145        |              | П               | 1       | Ţ         | F         | П             |         | 7   | , |  |
|   | <u> </u>          | 46       | ┡  | $\vdash$     | ₽            | +         | +      | +  | +            | H         | -          | 96<br>97                    | ₩                    | +               | +                                 | Н           | Н         | +            | +-      | <b>┨</b>     |          | 146<br>147 |              | ╀               | +       | +         | +-        | ╁┤            | +       | ┨   |   |  |
|   | <u> </u>          | 48       | $\vdash$                                     | L            | ╁┤           | _         | _      | 士  | $\perp$      | $\Box$    |            | 98                          | 口                    | 士               | $\pm$                             |             | H         | 士            |         | 1 t          |          | 148        |              | 廿               | 士       | 土         | 士         | 世             | 士       | 1   |   |  |
|   |                   | 49       |  |              | П            | $\Box$    | 丁      | Ţ  | Τ            | П         |            | 99                          | П                    | 7               | $\Box$                            |             | П         | 丰            | T       | ļļ           |          | 149        |              | П               | Ŧ       | T         | Ţ         | $\Box$        | 丰       | 4   |   |  |
|   | <u> </u>          | 50       |  | L            | Ш            |           |        | ┸  | Щ.           | لــا      |            | 100                         | Щ.                   |                 | 1_                                | Ш           | ш         |              |         | JL           |          | 150        |              | Щ               |         | ㅗ         | ┸         |               |         | J   |   |  |

Application No.

Applicant(s)